

Abstract of the Disclosure

A waveguide unit including a vertically polarized waveguide, a horizontally polarized waveguide, and a waveguide type-polarized wave converter interposed between said waveguides. The waveguide type-polarized wave converter has a slit, the shape of which being combination of two quadrate parts and a connecting part for connecting the two quadrate parts. Those polarized waveguides and polarized wave converter are integrally manufactured but can be divided into two parts.